

## Product datasheet for **MC227821**

### Ism1 (NM\_001276489) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ism1 (NM_001276489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ism1
Synonyms:	5430433G21Rik; Ism
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC227821 representing NM\_001276489  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGC GCCTGGCTGCGGAAGTCTCCTGCTGCTGGGGCTACTGCTGCTCACGCTGCACATCACGGTTC  
 TGC GCGGATCCGGAGCCTCCGACCGGCAGGACGCGGCCGCGGCAACGTCAGCGGTCCCAGTTGCAGAA  
 TAACCTCAACCTGGAGAGTGACTCCACGTCAGAAACCAGCTTTCTCTGTCCAAAGAAGCCCCGGAGGAG  
 CACCAGGTTGTCCACCAACCCTTCCCCAGACAGGATTCCCTCCAGAGACTGGACATCCTTCACTGCAGA  
 GAGACGGCCCCAGATCCTTTCTCCTTGACCTACCAAATTTCCAGATCTTTCCAAAGCTGATATCAATGG  
 GCAGAATCAAACATT CAGGTCACCATAGAGGTGGTTGATGGCCCTGACTCCGAAGCAGAAAAAGATCAG  
 CATCCAGAGAATAAACCCAGCTGGTCGCTCCAGCTCCGACTGGCGGGCCTGGTGGCAGAGGTCCTTGT  
 CCTTGGCCAGGACAAATAGTGGGACCAGGATGACAAGTATGACAGTACCTCAGATGACAGCAACTTCT  
 CAGTGTTCTAGAGGATGGGACCGTCCAGCCCCAGGACACCGGACTTTTAAAACCAAAGAGCAGCCAGAG  
 TATGATCCACAGACGGGAGGGTGATTGGAGTCTCTGGTCTGTCTGCAGCGTCACTGTGAAATGGCA  
 ACCAGAAACGGACCCGTTCTTGTGGCTATGCATGCATTGCCACAGAATCCAGGACCTGTGACCGTCCAAA  
 CTGCCAGGAATTGAAGATACTTTCAGGACAGCGGCCACTGAAGTGAGTCTGCTTGC GGGAAGTGAGGAG  
 TTTAATGCCACCAAGTTGTTTGAAGTTGACATGGACAGCTGTGAGCGATGGATGAGCTGCAAAAGTGAGT  
 TCTTAAAGAAATACATGCACAAGGTGATCAACGACCTGCCAGCTGCCCTGCTCCTACCCTACTGAGGT  
 GGCCTACAGCACAGCTGACATCTTTGACCGCATCAAGCGCAAGGACTCCGATGGAAGGATGCTAGTGGG  
 CCCAAAGAGAACTAGAGATCTACAAGCCTACTGCTCGTACTGCATCCGCTCTATGCTGTCCCTGGAGA  
 GTACCACACTGGCTGCCAGCACTGTTGCTATGGTGACAACATGCAGCTCATCACCAGGGCAAAGGGGC  
 AGGCACTCCCAATCTCATCAGCACCGAGTTCTCTGCTGAACTCCACTACAAAGTGGATGTTCTGCCCTGG  
 ATTATCTGCAAGGTGACTGGAGCAGATAAATGAGGCCCGGCCTCCCAATAACGGACAGAAGTGACAG  
 AGAGCCCTTCTGATGAGGACTACATCAAACAGTTC AAGAAGCCAGAGAGTACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001276489
- Insert Size:** 1386 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001276489.1](#), [NP\\_001263418.1](#)

**RefSeq Size:** 2965 bp

**RefSeq ORF:** 1386 bp

**Locus ID:** 319909

**Cytogenetics:** 2 F3